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(71) Applicant (for FR only): **SERVICES PETROLIERS
SCHLUMBERGER [FR/FR];** 42, rue Saint Dominique,
F-75007 Paris (FR).

JP, LT, MA, ML, MR, NE, NL, OM, SD, SN, TD, TG, TN,
TR, TT, US, VN): **SCHLUMBERGER TECHNOLOGY
B.V. [NL/NL];** Parkstraat 83-89, NL-2514 JG The Hague
(NL).

(71) Applicant (for GB, JP, NL only): **SCHLUMBERGER
HOLDINGS LIMITED [—/—];** P.O. Box 71, Craigmuir
Chambers, Road Twon, Tortola (VG).

(71) Applicant (for CA only): **SCHLUMBERGER CANADA
LIMITED [CA/CA];** 24th Floor, Monenco Place, 801 6th
Avenue SW, Calgary, Alberta T2P 3W2 (CA).

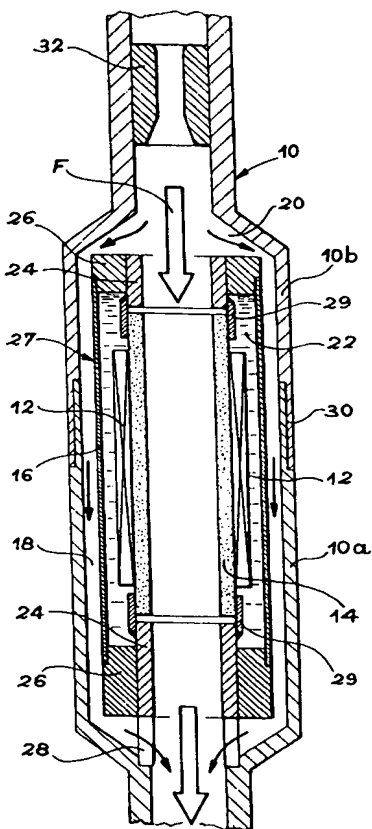
(71) Applicant (for BF, BJ, CF, CG, CI, CM, CZ, GA, GN, GQ,
GW, IN, LT, MA, ML, MR, NE, SN, TD, TG, TN, VN only):
PETROLEUM RESEARCH & DEVELOPMENT N.V.
[NL/NL]; De Ruyterkade 62, Willemstad, Curacao (AN).

(71) Applicant (for CN only): **SCHLUMBERGER OVER-
SEAS S.A. [PA/PA];** 8 Calle Aquilino de la Guardia,
Panama City (PA).

(71) Applicant (for all designated States except BF, BJ, BR, CA,
CF, CG, CI, CM, CN, CZ, FR, GA, GB, GN, GQ, GW, IN,

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(54) Title: **DEVICE FOR CHARACTERIZING THE FLOW OF A MULTIPHASE FLUID IN A TUBING**



(57) Abstract: The invention relates to a device for integrating electrodes (12) characterizing the flow of a multiphase fluid in a tubing (10). The device includes a tube section (14) made out of an electrically insulating material and bearing the electrodes on its external surface. A metal compensation sheath (16) encircles the section (14), being separated from the latter by an insulating and incompressible fluid. An annular chamber (18) outside the sheath communicates with the inside of the tubing (10). The sheath (16) is fixed on seal rings (29) inserted at the ends of the section (14), by reinforcement for example.

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